

CLAIMS

1. A composition for feeding monogastric animals comprising a controlled release lipid matrix and a mixture of active substances wherein:

- 5 - the controlled release lipid matrix consists of at least one hydrogenated vegetal triglyceride selected from the group consisting of: palm butter, sunflower oil, corn oil, rape oil, peanut oil or soybean oil;
- 10 - the mixture of active substances consists of at least one organic acid and at least one aromatizing agent wherein the organic acid is selected from the group consisting of:
 - 15 - formic acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition;
 - lactic acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition;
 - 20 - citric acid in an amount of 0.1 to 60% by weight, with respect to the weight of the composition;
 - fumaric acid in an amount of 0.1 to 60% by weight, with respect to the weight of the composition;
 - 25 - malic acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition; or
 - sorbic acid in an amount of 0.1 to 60% by weight, with respect to the weight of the composition;
 - 30 - sorbic acid in an amount of 0.1 to 60% by weight, with respect to the weight of the composition;

and the aromatizing agent is selected from the group comprising of natural or natural-similar aromatizing agents chosen among: mixtures of herbs, extracts from

plants, oleoresins, essential oils, aromatizers and natural fragrances.

2. The composition according to claim 1, wherein the controlled release lipid matrix consists of animal
5 triglycerides chosen among bovine tallow or swine lard.

3. The composition according to claim 1, wherein said organic acids are present in form of salts.

4. The composition according to claim 3, wherein said
10 salts of organic acids are chosen among:

- calcium formate in an amount of 5 to 35% by weight, with respect to the weight of the composition;

- potassium sorbate in an amount of 5 to 20% by weight, with respect to the weight of the composition.

15 5. The composition according to claim 1, wherein said composition is microencapsulated and is in the physical form of spheres having a diameters of 100 to 2000 microns.

20 6. The composition according to claim 1, wherein said composition further comprises orthophosphoric acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition.

7. A method for preparing a composition according to claim 1 comprising the following stages:

25 - place an homogenous mass comprising a melted lipid matrix and additives in a container;

- disperse into said homogenous mass a mixture of active substances consisting of at least one organic acid and/or salts thereof and at least one aromatizing
30 agent; and

- spray in a cold room the mass obtained in the previous stage.

8. The method according to claim 7, wherein said lipid matrix consists of at least one hydrogenated vegetal

triglyceride selected from the group consisting of: palm butter, sunflower oil, corn oil, rape oil, peanut oil or soybean oil.

9. The method according to claim 7, wherein said organic acids are selected from the group consisting of:
- formic acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition;
 - lactic acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition;
 - citric acid in an amount of 0.1 to 60% by weight, with respect to the weight of the composition;
 - fumaric acid in an amount of 0.1 to 60% by weight, with respect to the weight of the composition;
 - malic acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition; or
 - sorbic acid in an amount of 0.1 to 60% by weight, with respect to the weight of the composition;
10. The method according to claim 7, wherein the aromatizing agent is selected from the group comprising of natural or natural-similar aromatizing agents chosen among: mixtures of herbs, extracts from plants, oleoresins, essential oils, aromatizers and natural fragrances.
11. The method according to claim 7, wherein said lipid matrix consists of animal triglycerides chosen among bovine tallow or swine lard.
12. The method according to claim 9, wherein said organic acids are present in form of salts.
13. The method according to claim 12, wherein said salts of organic acids are chosen among:
- calcium formate in an amount of 5 to 35% by weight, with respect to the weight of the composition;
 - potassium sorbate in an amount of 5 to 20% by weight, with respect to the weight of the composition.

14. The method according to claim 7, wherein said composition is microencapsulated and is in the physical form of spheres having a diameters of 100 to 2000 microns.

5 15. The method according to claim 7, wherein said composition further comprises orthophosphoric acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition.

10 16. A method for contrasting the development of bacteria or pathogenic fungi in animals' gastro-resistant system comprising a step in which monogastric animals are feeded with a composition comprising a controlled release lipid matrix and a mixture of active substances wherein:

15 - the controlled release lipid matrix comprises at least one hydrogenated vegetal triglyceride;
- the mixture of active substances comprises at least one organic acid and at least one aromatizing agent selected from the group comprising of natural or natural-similar aromatizing agents.
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17. The method according to claim 16 wherein said hydrogenated vegetal triglyceride is selected from the group comprising of: palm butter, sunflower oil, corn oil, rape oil, peanut oil or soybean oil;

25 18. The method according to claim 16, wherein said organic acid is selected from the group comprising of:
- formic acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition;
- lactic acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition;
30 - citric acid in an amount of 0.1 to 60% by weight, with respect to the weight of the composition;
- fumaric acid in an amount of 0.1 to 60% by weight, with respect to the weight of the composition;

- malic acid in an amount of 0.1 to 50% by weight, with respect to the weight of the composition; or
- sorbic acid in an amount of 0.1 to 60% by weight, with respect to the weight of the composition.

5 19. The method according to claim 16, wherein said aromatizing agent is selected from the group: mixtures of herbs, extracts from plants, oleoresins, essential oils, aromatizers and natural fragrances.

10 20. The method according to claim 16, wherein the intestinal microbism is equilibrated in order to contrast the proliferation of unwanted intestinal microflora in the animals.

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